

# EUROPEAN PATENT OFFICE

## **Patent Abstracts of Japan**

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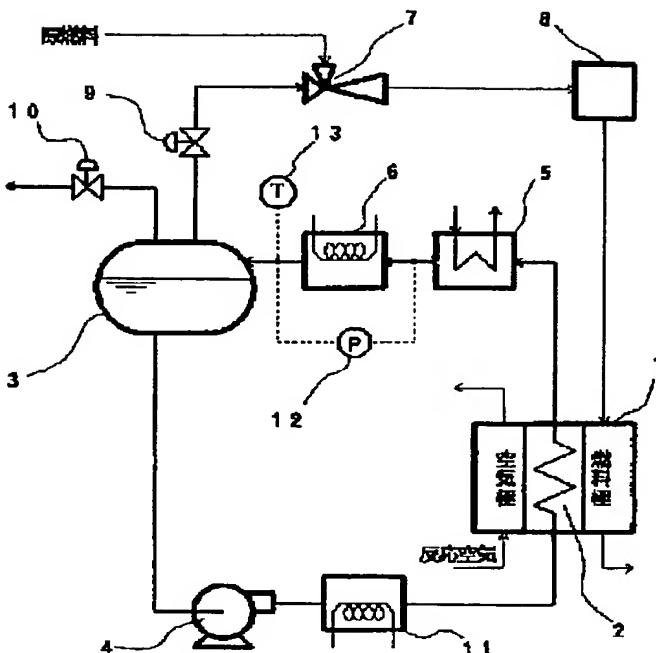
APPLICATION DATE : 07-07-95  
APPLICATION NUMBER : 07171753

APPLICANT : FUJI ELECTRIC CO LTD;

INVENTOR : OUCHI TAKASHI;

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**TITLE : POWER GENERATING DEVICE BY FUEL CELL**



**ABSTRACT :** PROBLEM TO BE SOLVED: To provide a fuel cell power-generating device with which the pressure in a water-vapor separator is controlled stably and which is equipped with a cooling system to cool the body of fuel cell stably.

**SOLUTION:** A cooling line is structured on such a system that water stored in a water-vapor separator 3 is sent to a body 1 of a fuel cell by a cooling water circulating pump 4 and pressurized water or a gas/liquid flow produced by heating is fed back to a gas phase part of the separator 3. In this cooling line, a cooling water heating unit 11 is installed between the pump 4 and the fuel cell body 1 and another cooling water heating unit 6 is furnished between the fuel cell body 1 on the outlet side and the separator 3, and heating is made with the heating unit 11 when vapor quantity on the outlet side exceeds the specified level, and thereby the pressure of the separator 3 is controlled stably.

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